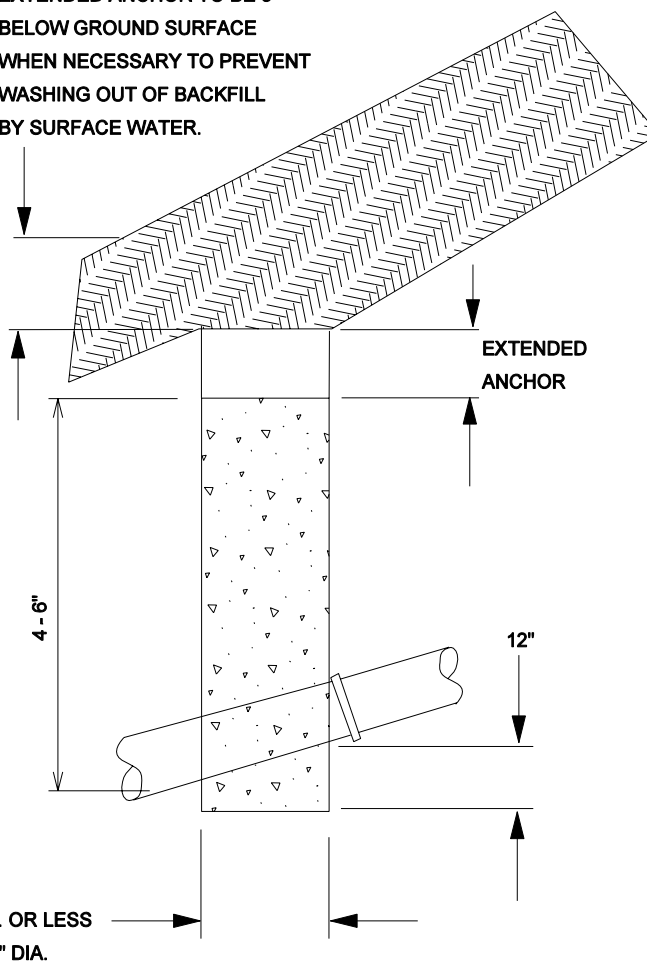


EXTENDED ANCHOR TO BE 6"  
BELOW GROUND SURFACE  
WHEN NECESSARY TO PREVENT  
WASHING OUT OF BACKFILL  
BY SURFACE WATER.

SEWERS ON 15 PERCENT SLOPE OR GREATER  
SHALL BE ANCHORED SECURELY WITH  
CONCRETE ANCHORS OR EQUAL. SUGGESTED  
MINIMUM ANCHORAGE SPACING IS AS FOLLOWS:

1. NOT OVER 36 FEET CENTER TO CENTER  
ON GRADES 15 PERCENT AND  
UP TO 25 PERCENT.
2. NOT OVER 24 FEET CENTER TO CENTER  
ON GRADES 25 PERCENT AND  
UP TO 35 PERCENT.
3. NOT OVER 16 FEET CENTER TO CENTER  
ON GRADES 35 PERCENT AND OVER.



DRAWING NOT TO SCALE

DECEMBER 1, 2005  
DRAWN BY: KMC  
APPROVED BY: VHS

## CONCRETE ANCHOR DETAILS

STANDARD  
DRAWING NO.

**S-45**

MURFREESBORO WATER & SEWER DEPARTMENT